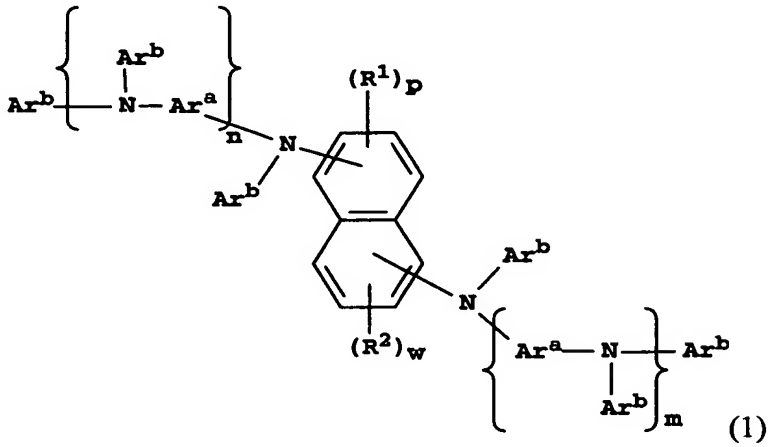
CLAIMS:

1. An electroluminescent device comprising a layer containing a naphthalene compound represented by Formula (1),



(1)

wherein:

each R^1 and R^2 represents an independently selected substituent provided that adjacent substituents may join to form a ring;

p and w independently are 0-3;

the amine nitrogens on the naphthalene nucleus are located on separate rings;

m and n independently are 0, 1 or 2;

each Ar^b represents an independently selected aromatic group; and

each Ar^a represents an independently selected phenylene, biphenylene or naphthalene group;

provided that at least one R_1 or R_2 substituent of the naphthalene compound represented by Formula (1) is a sterically bulky substituent.

2. The device of claim 1 wherein, at least two substituents of the naphthalene compound represented by Formula (1) are independently selected sterically bulky substituents.

3. The device of claim 1 wherein each Ar^a of Formula (1) represents an independently selected naphthalene group.

4. The device of claim 1 wherein the sterically bulky substituent is a branched alkyl group.

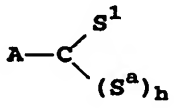
5. The device of claim 1 wherein the sterically bulky substituent is an aryl group with a substituent alpha to the point of attachment to the naphthalene compound.

6. The device of claim 1 wherein the naphthalene compound has at least one substituent that has a Sterimol B_1 value of 1.8 angstroms or greater.

7. The device of claim 1 wherein the naphthalene compound has at least one substituent that has a Sterimol B_1 value of 2.0 angstroms or greater.

8. The device of claim 1 wherein the naphthalene compound has at least two substituents that have Sterimol B_1 values of 2.0 angstroms or greater.

9. The device of claim 1 wherein the naphthalene compound has at least one substituent that is represented by Formula (2a),



(2a)

wherein:

A represents the point of attachment to Formula (1);

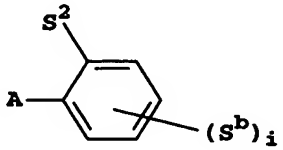
S^1 and each S^a represent an independently selected substituent, provided substituents may combine to form a saturated ring; and

h is 1 or 2.

10. The device of claim 9 wherein S^1 and each S^a independently represent methyl groups and h is 2.

11. The device of claim 1 wherein the naphthalene compound has at least one R^1 or R^2 group that is a *t*-butyl group.

12. The device of claim 1 wherein the naphthalene compound has at least one substituent that is represented by Formula (2b),



(2b)

wherein:

A represents the point of attachment to Formula (1);

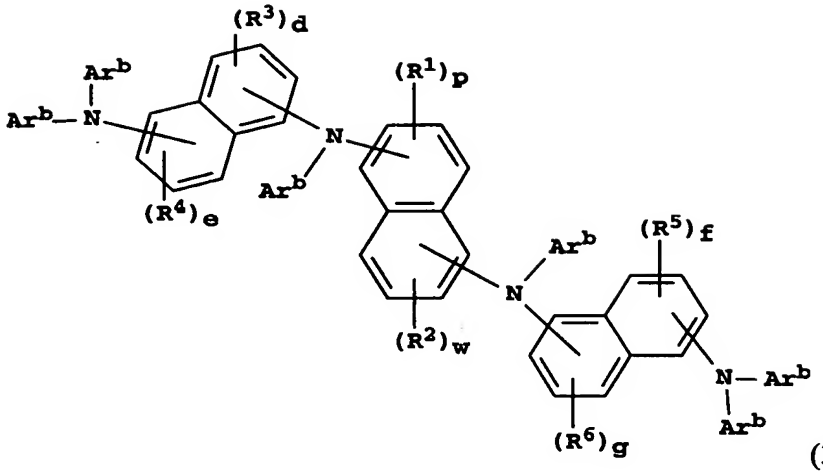
S^2 and each S^b represent an independently selected substituent; and

i is 0-4.

13. The device of claim 12 wherein the naphthalene compound has at least one substituent that is represented by Formula (2b) wherein S^b represents a methyl group.

14. The device of claim 1 wherein the naphthalene compound has at least one R^1 or R^2 group that is a mesityl group.

15. The device of claim 1 wherein the naphthalene compound is represented by Formula (3),



(3)

wherein:

each $R^1 - R^6$ represents an independently selected substituent provided that adjacent substituents may join to form a ring;

d, e, f, g, p and w independently are 0-3; and

each Ar^b represents an independently selected aromatic group.

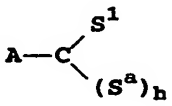
16. The device of claim 15 wherein the naphthalene compound is represented by Formula (3), wherein, at least two d, e, f, g, p and w are 1 or greater and at least two of $R^1 - R^6$ represent an independently selected branched alkyl group.

17. The device of claim 15 wherein the naphthalene compound is represented by Formula (3), wherein, at least two d, e, f, g, p and w are 1 or greater and at least two of $R^1 - R^6$ represent an independently selected branched alkyl group.

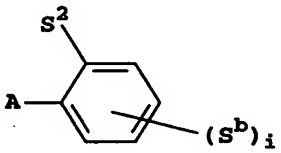
18. The device of claim 15 wherein the naphthalene compound is represented by Formula (3), wherein, at least two d, e, f, g, p and w are 1 or greater and at least two of $R^1 - R^6$ represent an independently selected aryl group with a substituent alpha to the point of attachment to the naphthalene compound.

19. The device of claim 15 wherein the naphthalene compound is represented by Formula (3), wherein at least two d, e, f, g, p and w are 1 or greater and at least two of $R^1 - R^6$ represent an independently selected substituent with a Sterimol B_1 value of 2.0 angstroms or greater.

20. The device of claim 15 wherein the naphthalene compound is represented by Formula (3), wherein at least two d, e, f, g, p and w are 1 or greater and at least two of $R^1 - R^6$ are further represented by Formula (2a) or (2b),



(2a)



(2b)

wherein:

A represents the point of attachment to Formula (1);

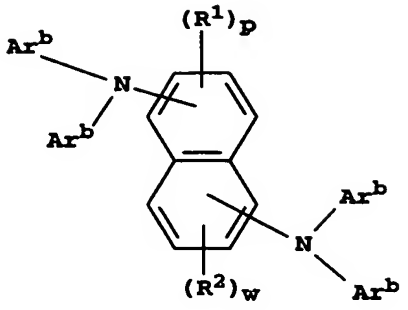
S^1 and each S^a represent an independently selected substituent, provided substituents may combine to form a saturated ring;

h is 1 or 2.

S^2 and each S^b represent an independently selected substituent; and

i is 0-4.

21. The device of claim 1 wherein the naphthalene compound is represented by Formula (4),



(4)

wherein:

each R^1 and R^2 represents an independently selected substituent, provided that adjacent substituents may join to form a ring;

p and w independently are 0-3; and

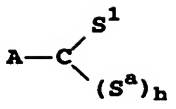
each Ar^b represents an independently selected aromatic group.

22. The device of claim 21 wherein the naphthalene compound is represented by Formula (4), wherein, p and w are each 1 or greater and at least one of R^1 and at least one of R^2 represent an independently selected branched alkyl group.

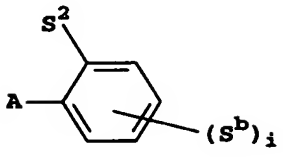
23. The device of claim 21 wherein the naphthalene compound is represented by Formula (4), wherein, p and w are each 1 or greater and at least one of R^1 and at least one of R^2 represent an independently selected aryl group with a substituent alpha to the point of attachment to the naphthalene compound.

24. The device of claim 21 wherein the naphthalene compound is represented by Formula (4), wherein p and w are each 1 or greater and at least one of R^1 and at least one of R^2 represent an independently selected substituent with a Sterimol B_1 value of 2.0 angstroms or greater.

25. The device of claim 21 wherein the naphthalene compound is represented by Formula (4), wherein p and w are 1 or greater and at least one of R^1 and at least one of R^2 are further represented by Formula (2a) or (2b),



(2a)



(2b)

wherein:

A represents the point of attachment to Formula (1);

S^1 and each S^a represent an independently selected substituent, provided substituents may combine to form a saturated ring;

h is 1 or 2.

S^2 and each S^b represent an independently selected substituent; and

i is 0-4.

26. The device of claim 1 wherein the layer containing the compound of Formula (1) is a hole transport layer.

27. The device of claim 1 wherein the layer containing the compound of Formula (1) is a luminescent layer.

28. The device of claim 1 comprising a triplet light emitting material.

29. The device of claim 1 comprising a polymeric light emitting material.

30. A display comprising the electroluminescent device of claim 1.

31. The device of claim 1 wherein white light is produced either directly or by using filters.

32. An area lighting device comprising the electroluminescent device of claim 1.

33. A process for emitting light comprising applying a potential across the device of claim 1.